



Model Development Phase

Date	15 July 2024	
Team ID	739827	
Project Title	Thyroid Classification using ML	
Maximum Marks	4 Marks	

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:





Model Validation and Evaluation Report:

Model	Classific	ation Ro	eport	ţ	Accuracy	Confusion Matrix
Random	<pre>print(classification_report(y_test,y_pred))</pre>				99.86%	<pre>confusionMatrix = confusion_matrix(y_train,x_pred) print("Confusion Matrix:",confusionMatrix)</pre>
forest	pred			support		Confusion Matrix: [[3534 0]
Classifier	compensated hypothyroid negative	0.84 0.88 1.00 1.00	0.86 1.00	24 893		[10 3524]]
	accuracy macro avg weighted avg	8.99 8.99	0.99 0.93 0.99	917 917 917 917		